



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
A61K 31/00

(11) International Publication Number: **WO 00/07576**

(43) International Publication Date: **17 February 2000 (17.02.00)**

(21) International Application Number: **PCT/CA99/00724**

(22) International Filing Date: **6 August 1999 (06.08.99)**

(30) Priority Data:
60/095,623 **7 August 1998 (07.08.98)** **US**

(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application
US **60/095,623 (CON)**
Filed on **7 August 1998 (07.08.98)**

(71) Applicant (for all designated States except US): **ENDORECHERCHE, INC. [CA/CA]; 2989 de la Promenade, Ste-Foy, Québec G1W 2J5 (CA).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LABRIE, Fernand [CA/CA]; 2989 de la Promenade, Ste-Foy, Québec G1W 2J5 (CA). MERAND, Yves [CA/CA]; 3101 Montreux, Sainte-Foy, Québec G1W 3A1 (CA). GAUTHIER, Sylvain [CA/CA]; 152, rue de la Modiste, Saint-Augustin-de-Desmaures, Québec G3A 2L2 (CA). PROVENCHER, Louis [CA/CA]; 7518 de la Sarcelle,**

Chamy, Québec G6X 3R7 (CA). LUU-THE, Van [CA/CA]; 4460 de l'Estuaire, Chamy, Québec G6X 1C6 (CA).

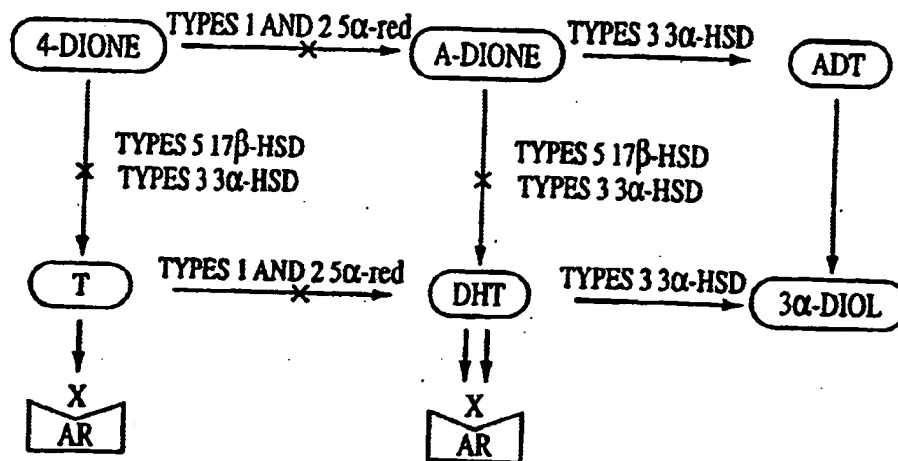
(74) Agent: **MITCHELL, Richard, J.; Marks & Clerk, P.O. Box 957, Station B, Ottawa, Ontario K1P 5S7 (CA).**

(81) Designated States: **AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TO).**

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: **INHIBITION OF TYPE 3 3 α -HYDROXYSTEROID DEHYDROGENASE**



X, INHIBITION TARGET

(57) Abstract

Novel methods of treating and/or inhibiting development of prostatic cancer, benign prostatic hyperplasia, prostatitis, acne, seborrhea, hirsutism or androgenic alopecia utilize inhibitors of type 3 3 α -hydroxysteroid dehydrogenase alone or in combination with other active pharmaceuticals such as inhibitors of type 5 17 β -hydroxysteroid dehydrogenase. Novel inhibitors and pharmaceutical products are also disclosed.